



PTQ/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

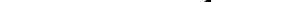
(use as many sheets as necessary)

Sheet 1 of 1

Application Number	10/721,111
Filing Date	November 25, 2003
First Named Inventor	Paul Ritchie
Group Art Unit	3762
Examiner Name	Not Assigned
Attorney Docket Number	END5122USNP

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	March 27, 2017
-----------------------	---	--------------------	----------------

***EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

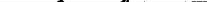
Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

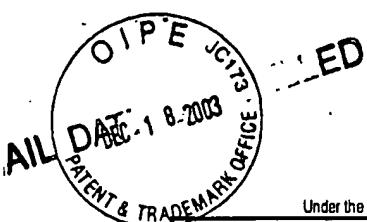
SUBMISSION UNDER MPEP 609 D	<i>Application Number</i>	10/721,111
	<i>Filing Date</i>	November 25, 2003
	<i>First Named Inventor</i>	Paul Ritchie
	<i>Group Art Unit</i>	3762
	<i>Examiner Name</i>	Not Assigned
	<i>Attorney Docket Number</i>	END5122USNP

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	March 27, 2007
--------------------	---	-----------------	----------------



PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ² (if known)			
<i>dm</i>		4,822,997		Fuller et al.	04-18-1989	ALL
<i>dm</i>		5,196,005		Doiron et al	03-23-1993	ALL
<i>dm</i>		5,267,995		Doiron et al	12-07-1993	ALL
<i>dm</i>		5,269,777		Doiron et al.	12-14-1993	ALL
<i>dm</i>		5,303,324		Lundahl	04-12-1994	ALL
<i>dm</i>		5,337,381		Biswas et al.	08-09-1994	ALL
<i>dm</i>		5,363,458		Pan et al.	11-08-1994	ALL
<i>dm</i>		5,383,874		Jackson et al.	01-24-1995	ALL
<i>dm</i>		5,400,267		Denen et al.	03-21-1995	ALL
<i>dm</i>		5,487,386		Wakabayashi et al.	01-30-1996	ALL
<i>dm</i>		5,651,780		Jackson et al.	07-29-1997	ALL
<i>dm</i>		5,749,871		Hood et al.	05-12-1998	ALL
<i>dm</i>		5,978,541		Doiron et al.	11-02-1999	ALL
<i>dm</i>		5,991,355		Dahlke	11-23-1999	ALL
						ALL

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T ⁶
		Office ³	Number ⁴	KindCode ⁵				
<i>dm</i>		EP	0 951 921	A3	Ritchie et al.	03-05-2000	ALL	
<i>dm</i>		WO	02/35264	A1	Swayze et al.	05-02-2002	ALL	

Examiner Signature *[Signature]*

Date Considered *March 27, 2007*

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

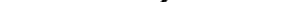
Sheet 2 of 2

<p>Substitute for form 1449A/PTO</p> <h1>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h1> <p>(use as many sheets as necessary)</p> <p>Sheet 2 of 2</p>		<p>Application Number</p> <p>Filing Date</p> <p>First Named Inventor</p> <p>Group Art Unit</p> <p>Examiner Name</p> <p>Attorney Docket Number</p>	<p>November 25, 2003</p> <p>Paul Ritchie et al.</p> <p>Not assigned</p> <p>Not assigned</p> <p>END-5122</p>
--	--	---	---

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Office ³	Number ⁴			
						ALL
						ALL

Examiner Signature		Date Considered	March 27, 2007
-----------------------	---	--------------------	----------------

***EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Application Number

Filing Date

November 25, 2003

First Named Inventor

Paul Ritchie et al.

Group Art Unit

Not assigned

Examiner Name

Not assigned

Attorney Docket Number

END-5122

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ²			
DR		Re. 36,473		Esch et al.	12-28-1999	ALL
DR		4,476,512		Sunago et al.	10-09-1984	ALL
DR		4,695,697		Koss	09-22-1987	ALL
DR		4,708,494		Kleinerman	11-24-1987	ALL
DR		5,004,913		Kleinerman	04-02-1991	ALL
DR		5,057,099		Rink	10-15-1991	ALL
DR		5,074,632		Potter	12-24-1991	ALL
DR		5,154,707		Rink et al.	10-13-1992	ALL
DR		5,469,524		Esch et al.	11-21-1995	ALL
DR		5,493,629		Stange	02-20-1996	ALL
DR		5,754,717		Esch	05-19-1998	ALL
DR		5,802,229		Evans et al.	09-01-1998	ALL
DR		5,848,209		Evans et al.	12-08-1998	ALL
DR		5,875,275		Evans et al.	02-23-1999	ALL
DR		5,908,415		Sinofsky	06-01-1999	ALL
DR		5,945,667		Bohnert et al.	08-31-1999	ALL

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T ⁶
		Office ³	Number ⁴	KindCode ⁵				
DR		WO	92/17243	A2	Conn et al.	10-115-1992	ALL	

Examiner Signature		Date Considered	March 27, 2007
--------------------	---	-----------------	----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Substitute for form 1449A/PTO	Application Number	
INFORMATION DISCLOSURE		
STATEMENT BY APPLICANT		
(use as many sheets as necessary)	Filing Date	November 25, 2003
	First Named Inventor	Paul Ritchie et al.
	Group Art Unit	Not assigned
	Examiner Name	Not assigned
	Attorney Docket Number	END-5122

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, * where relevant passages or relevant figures appear
		Office ³	Number ⁴			

Examiner Signature	Date Considered	
-----------------------	--------------------	--

***EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document; by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450PTO/SB/08A (08-00)